

Notice of Allowability

Application No.

10/801,962

Examiner

Ronald Baum

Applicant(s)

CANDELORE, BRANT

Art Unit

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/02/2007.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20071009.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

NASSER MOAZZAMI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

10/11/07

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph Lutz, Reg. No. 43,765 on 10/11/2007.

1. **Claims 17-50 HAS BEEN CANCELED.**

Examiner's Statement of Reasons for Allowance

2. Claims 1-16 are allowed over prior art.
3. This action is in reply to applicant's correspondence of 02 August 2007.
4. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.
5. As per claims 1 and 9 generally, prior art of record, Enichen et al, U.S. Patent 6,333,983 B1, fails to teach alone, or in combination, at the time of the invention, the features as discussed and remarked upon in the response of 02 August 2007 to office action of 05 July 2007.

Specifically, (as per claim 1, for example) prior art dealing with the use of scalable cryptographic parameters in secured communications systems generally, and content bit streams/key streams size scalability as a function of at least a predetermined dynamic criteria, more particularly (i.e., the use of scalable keys to realize multiple levels of access authorization

Art Unit: 2136

capability in stream cipher architectures/protocols; Yu, H., et al, 'Progressive and scalable encryption for multimedia content access control', IEEE 2003, 0-7803-7802-4/03, entire document, <http://ieeexplore.ieee.org/iel5/8564/27113/01204236.pdf>), is generally known per se. Nowhere in the prior art is found collectively the *italicized* claim elements (i.e., the various specific aspects of creation, subsequent to the receiving of a *decoded scrambling key* (versus the key generation of a *scrambling/descrambling content key* per se), of the content *descrambling key* as a function of a reduced key size key that is a function of every bit in the original decoded scrambling key received), at the *time of the invention*, serving to patently distinguish the invention from said prior art;

“1. A method comprising:

receiving a *decoded scrambling key*

having a *key size according to*

a first cryptographic protocol;

reducing the key size of the decoded scrambling key

to match a key size of a second cryptographic protocol

to form a reduced key size descrambling key

whose value is a function of

every bit of the decoded scrambling key; and

descrambling received scrambled content according to

the reduced key size descrambling key.”.

6. Dependent claims 2-8 and 10-16 are allowable by virtue of their dependencies.

Art Unit: 2136

Conclusion

6. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (571) 272-3861, and whose unofficial Fax number is (571) 273-3861 and unofficial email is Ronald.baum@uspto.gov. The examiner can normally be reached Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami, can be reached at (571) 272-4195. The Fax number for the organization where this application is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. For more information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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10/11/07

Ronald Baum

Patent Examiner

